Journal of Engineering Materials and Technology

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Adams, Brent L. — (see Przybyla, Craig P.) **129**, 82–93
Agrawal, A., and Karlsson, A. M. — On the Reference Length and Mode Mixity for a Bimaterial Interface. **129**, 580–587
Alexopoulos, N. D. — (see Pantelakis, Sp. G.) **129**, 422–430
Almasri, Amin H., and Voyiadjis, George Z. — Effect of Strain Rate on the Dynamic Hardness in Metals. **129**, 505–512
Anglada, M. — (see Gironès, A.) **129**, 588–593
Anifantis, N. K. — (see Kakavas, P. A.) **129**, 11–18
Argüelles, A. — (see Zenasni, R.) **129**, 190–193
Ashgriz, Nasser — (see Eslamian, Morteza) **129**, 130–142
Atre, Amarendra, and Johnson, W. S. — Effect of Interference on the Mechanics of Load Transfer in Aircraft Fuselage Lap Joints. **129**, 356–366

Bachir, A. S. — (see Zenasni, R.) **129**, 190–193
Balasubramanian, K. — (see Thakur, Sanjay Kumar) **129**, 194–199
Baldi, Pierre F. — (see Sadovsky, Alexander V.) **129**, 483–487(TB)
Bansal, Yogesh — (see Pindera, Marek-Jerzy) **129**, 468–482
Bardelcik, Alexander — (see Manoj Simha, C. Hari) **129**, 36–47
Barhdadi, El H., Lipinski, P., and Cherkaoui, M. — Four Phase Model: A New Formulation to Predict the Effective Elastic Moduli of Composites. **129**, 313–320
Batra, Varun, and Rousseau, Carl-Ernst — Behavior of Nonhomogeneous Materials Subjected to Bearing Load. **129**, 248–254
Belvin, A. D. — (see Jones, M. K.) **129**, 94–104
Bernhardt, S., Ramulu, M., and Kobayashi, A. S. — Low-Velocity Impact Response Characterization of a Hybrid Titanium Composite Laminate. **129**, 220–226
Bogard, Virginie, Revel, Philippe, and Hetet, Yannick — Optimization of Thermomechanical Loading by the Inverse Method. **129**, 207–210
Boyce, M. C. — (see Garg, M.) **129**, 431–439
Brehm, H. — (see Schenk, T.) **129**, 488–495
Brust, F. W. — (see Oh, J.) **129**, 1–10
Busso, Esteban P. — (see Gamonpilas, Chaiwut) **129**, 603–608

Cashman, Gerald T. — A Statistical Methodolgy for the Preparation of a Competing Modes Fatigue Design Curve. **129**, 159–168
——— A Mathematical Model for Competing Failure Modes in Strain Cycle Fatigue. **129**, 293–303
Castrillo, M. A. — (see Zenasni, R.) **129**, 190–193
Chamos, A. N. — (see Pantelakis, Sp. G.) **129**, 422–430
Chan, L. C. — (see Jie, M.) **129**, 151–158
Chen, X. — (see Yan, J.) **129**, 200–206
Cheng, C. H. — (see Jie, M.) **129**, 151–158
Cherkaoui, M. — (see Barhdadi, El H.) **129**, 313–320
Chow, C. L. — (see Jie, M.) **129**, 151–158
Christensen, Richard M. — A Comprehensive Theory of Yielding and Failure for Isotropic Materials. **129**, 173–181

Ding, Fei — (see Jiang, Yanyao) **129**, 182–189
Dingle, M. E. — (see Weiss, M.) **129**, 530–537
Durrenberger, L., Klepaczko, J. R., and Rusinek, A. — Constitutive Modeling of Metals Based on the Evolution of the Strain-Hardening Rate. **129**, 550–558

Elbestawi, M. A. — (see Nasr, Mohamed N.A.) **129**, 567–579
Eryu, Hiroyuki — (see Sequeira, P. D.) **129**, 304–312
Eslamian, Morteza, and Ashgriz, Nasser — Effect of Atomization Method on the Morphology of Spray-Generated Particles. **129**, 130–142
Estrin, Yuri, Rhee, KiHo, Lapovok, Rimma, and Thomson, Peter F. — Mechanical Behavior of Alloy AA6111 Processed by Severe Plastic Deformation: Modeling and Experiment. **129**, 380–389

Feng, Miaolin — (see Jiang, Yanyao) **129**, 182–189

Gamonpilas, Chaiwut, and Busso, Esteban P. — Characterization of Elastoplastic Properties Based on Inverse Analysis and Finite Element Modeling of Two Separate Indenters. **129**, 603–608
Garg, M., Pantano, A., and Boyce, M. C. — An Equivalent Orthotropic Representation of the Nonlinear Elastic Behavior of Multiwalled Carbon Nanotubes. **129**, 431–439
Georgiades, G., Oyadiji, S. O., Zhu, X. Q., Wright, J. R., and Turner, J. T. — Characterization of the Core Properties of a Shock Absorbing Composite. **129**, 497–504
Gholipour, Javad — (see Manoj Simha, C. Hari) **129**, 36–47
Giannopoulos, G. I. — (see Kakavas, P. A.) **129**, 11–18
Giordano, Stefano — Relation Between Microscopic and Macroscopic Mechanical Properties in Random Mixtures of Elastic Media. **129**, 453–461
Gironès, A., Anglada, M., and Mateo, A. — Chloride Content Effect on the Corrosion Fatigue Properties of Superduplex Stainless Steels. **129**, 588–593
Gloaguen, Jean-Michel — (see Zaïri, Fahmi) **129**, 29–35
Gnanamoorthy, R. — (see Grinspan, A. Sahaya) **129**, 609–613
Grinspan, A. Sahaya, and Gnanamoorthy, R. — Effect of Nozzle-Traveling Velocity on Oil Cavitation Jet Peening of Aluminum Alloy, AA 6063-T6. **129**, 609–613
Gupta, M. — (see Hassan, S. F.) **129**, 462–467
Gupta, Manoj — (see Thakur, Sanjay Kumar) **129**, 194–199

Hailat, M. — (see Xie, C. L.) **129**, 69–76
Hassan, S. F., and Gupta, M. — Development and Characterization of Ductile Mg/Y_2O_3 Nanocomposites. **129**, 462–467
Hetet, Yannick — (see Bogard, Virginie) **129**, 207–210
Hill, Michael R. — (see Lee, Matthew J.) **129**, 143–150
Hodgson, P. D. — (see Weiss, M.) **129**, 530–537
Hodgson, Peter D. — (see Lapovok, Rimma) **129**, 407–413
Holmes, J. W. — (see Liu, L.) **129**, 594–602
Horstemeyer, M. F. — (see Jones, M. K.) **129**, 94–104

Journal of Engineering Materials and Technology

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Adams, Brent L. — (see Przybyla, Craig P.) **129**, 82–93
Agrawal, A., and Karlsson, A. M. — On the Reference Length and Mode Mixity for a Bimaterial Interface. **129**, 580–587
Alexopoulos, N. D. — (see Pantelakis, Sp. G.) **129**, 422–430
Almasri, Amin H., and Voyiadjis, George Z. — Effect of Strain Rate on the Dynamic Hardness in Metals. **129**, 505–512
Anglada, M. — (see Gironès, A.) **129**, 588–593
Anifantis, N. K. — (see Kakavas, P. A.) **129**, 11–18
Argüelles, A. — (see Zenasni, R.) **129**, 190–193
Ashgriz, Nasser — (see Eslamian, Morteza) **129**, 130–142
Atre, Amarendra, and Johnson, W. S. — Effect of Interference on the Mechanics of Load Transfer in Aircraft Fuselage Lap Joints. **129**, 356–366

Bachir, A. S. — (see Zenasni, R.) **129**, 190–193
Balasubramanian, K. — (see Thakur, Sanjay Kumar) **129**, 194–199
Baldi, Pierre F. — (see Sadovsky, Alexander V.) **129**, 483–487(TB)
Bansal, Yogesh — (see Pindera, Marek-Jerzy) **129**, 468–482
Bardelcik, Alexander — (see Manoj Simha, C. Hari) **129**, 36–47
Barhdadi, El H., Lipinski, P., and Cherkaoui, M. — Four Phase Model: A New Formulation to Predict the Effective Elastic Moduli of Composites. **129**, 313–320
Batra, Varun, and Rousseau, Carl-Ernst — Behavior of Nonhomogeneous Materials Subjected to Bearing Load. **129**, 248–254
Belvin, A. D. — (see Jones, M. K.) **129**, 94–104
Bernhardt, S., Ramulu, M., and Kobayashi, A. S. — Low-Velocity Impact Response Characterization of a Hybrid Titanium Composite Laminate. **129**, 220–226
Bogard, Virginie, Revel, Philippe, and Hetet, Yannick — Optimization of Thermomechanical Loading by the Inverse Method. **129**, 207–210
Boyce, M. C. — (see Garg, M.) **129**, 431–439
Brehm, H. — (see Schenk, T.) **129**, 488–495
Brust, F. W. — (see Oh, J.) **129**, 1–10
Busso, Esteban P. — (see Gamonpilas, Chaiwut) **129**, 603–608

Cashman, Gerald T. — A Statistical Methodolgy for the Preparation of a Competing Modes Fatigue Design Curve. **129**, 159–168
——— A Mathematical Model for Competing Failure Modes in Strain Cycle Fatigue. **129**, 293–303
Castrillo, M. A. — (see Zenasni, R.) **129**, 190–193
Chamos, A. N. — (see Pantelakis, Sp. G.) **129**, 422–430
Chan, L. C. — (see Jie, M.) **129**, 151–158
Chen, X. — (see Yan, J.) **129**, 200–206
Cheng, C. H. — (see Jie, M.) **129**, 151–158
Cherkaoui, M. — (see Barhdadi, El H.) **129**, 313–320
Chow, C. L. — (see Jie, M.) **129**, 151–158
Christensen, Richard M. — A Comprehensive Theory of Yielding and Failure for Isotropic Materials. **129**, 173–181

Ding, Fei — (see Jiang, Yanyao) **129**, 182–189
Dingle, M. E. — (see Weiss, M.) **129**, 530–537
Durrenberger, L., Klepaczko, J. R., and Rusinek, A. — Constitutive Modeling of Metals Based on the Evolution of the Strain-Hardening Rate. **129**, 550–558

Elbestawi, M. A. — (see Nasr, Mohamed N.A.) **129**, 567–579
Eryu, Hiroyuki — (see Sequeira, P. D.) **129**, 304–312
Eslamian, Morteza, and Ashgriz, Nasser — Effect of Atomization Method on the Morphology of Spray-Generated Particles. **129**, 130–142
Estrin, Yuri, Rhee, KiHo, Lapovok, Rimma, and Thomson, Peter F. — Mechanical Behavior of Alloy AA6111 Processed by Severe Plastic Deformation: Modeling and Experiment. **129**, 380–389

Feng, Miaolin — (see Jiang, Yanyao) **129**, 182–189

Gamonpilas, Chaiwut, and Busso, Esteban P. — Characterization of Elastoplastic Properties Based on Inverse Analysis and Finite Element Modeling of Two Separate Indenters. **129**, 603–608
Garg, M., Pantano, A., and Boyce, M. C. — An Equivalent Orthotropic Representation of the Nonlinear Elastic Behavior of Multiwalled Carbon Nanotubes. **129**, 431–439
Georgiades, G., Oyadiji, S. O., Zhu, X. Q., Wright, J. R., and Turner, J. T. — Characterization of the Core Properties of a Shock Absorbing Composite. **129**, 497–504
Gholipour, Javad — (see Manoj Simha, C. Hari) **129**, 36–47
Giannopoulos, G. I. — (see Kakavas, P. A.) **129**, 11–18
Giordano, Stefano — Relation Between Microscopic and Macroscopic Mechanical Properties in Random Mixtures of Elastic Media. **129**, 453–461
Gironès, A., Anglada, M., and Mateo, A. — Chloride Content Effect on the Corrosion Fatigue Properties of Superduplex Stainless Steels. **129**, 588–593
Gloaguen, Jean-Michel — (see Zaïri, Fahmi) **129**, 29–35
Gnanamoorthy, R. — (see Grinspan, A. Sahaya) **129**, 609–613
Grinspan, A. Sahaya, and Gnanamoorthy, R. — Effect of Nozzle-Traveling Velocity on Oil Cavitation Jet Peening of Aluminum Alloy, AA 6063-T6. **129**, 609–613
Gupta, M. — (see Hassan, S. F.) **129**, 462–467
Gupta, Manoj — (see Thakur, Sanjay Kumar) **129**, 194–199

Hailat, M. — (see Xie, C. L.) **129**, 69–76
Hassan, S. F., and Gupta, M. — Development and Characterization of Ductile Mg/Y_2O_3 Nanocomposites. **129**, 462–467
Hetet, Yannick — (see Bogard, Virginie) **129**, 207–210
Hill, Michael R. — (see Lee, Matthew J.) **129**, 143–150
Hodgson, P. D. — (see Weiss, M.) **129**, 530–537
Hodgson, Peter D. — (see Lapovok, Rimma) **129**, 407–413
Holmes, J. W. — (see Liu, L.) **129**, 594–602
Horstemeyer, M. F. — (see Jones, M. K.) **129**, 94–104

Huang, Ping, Liu, Rong, Wu, Xijia, and Yao, Matthew X. — Effects of Molybdenum Content and Heat Treatment on Mechanical and Tribological Properties of a Low-Carbon Stellite® Alloy. **129**, 523–529
Huh, Hoon — (see Song, Jung-Han) **129**, 397–406
Hwang, Yeong-Maw, and Lin, Yi-Kai — Evaluation of Flow Stresses of Tubular Materials Considering Anisotropic Effects by Hydraulic Bulge Tests. **129**, 414–421

Imaninejad, Mehdi — (see Loukus, Adam R.) **129**, 233–241
Irvin, David B. — (see Ross, Carl D.) **129**, 342–347(TB)

Jaglinski, T., Nimityongskul, A., Schmitz, R., and Lakes, R. S. — Study of Bolt Load Loss in Bolted Aluminum Joints. **129**, 48–54
Janaki Ram, G. D. — (see Yang, Y.) **129**, 538–549
Jiang, Yanyao, Ding, Fei, and Feng, Miaolin — An Approach for Fatigue Life Prediction. **129**, 182–189
Jie, M., Cheng, C. H., Chan, L. C., Chow, C. L., and Tang, C. Y. — Experimental and Theoretical Analysis on Formability of Aluminum Tailor-Welded Blanks. **129**, 151–158
Johnson, W. S. — (see Atre, Amarendra) **129**, 356–366
Jones, M. K., Horstemeyer, M. F., and Belvin, A. D. — A Multiscale Analysis of Void Coalescence in Nickel. **129**, 94–104
Joun, Man Soo — (see Moon, Ho Keun) **129**, 349–355

Kakavas, P. A., Giannopoulos, G. I., and Anifantis, N. K. — Mixed Finite Element Analysis of Elastomeric Butt-Joints. **129**, 11–18
Kanny, K., and Moodley, V. K. — Characterization of Polypropylene Nanocomposite Structures. **129**, 105–112
Karlsson, A. M. — (see Yan, J.) **129**, 200–206
_____ (see Agrawal, A.) **129**, 580–587
Katsube, N. — (see Oh, J.) **129**, 1–10
Kim, D., and Ramulu, M. — Study on the Drilling of Titanium/Graphite Hybrid Composites. **129**, 390–396
Kim, Se-Ho — (see Song, Jung-Han) **129**, 397–406
Klepaczko, J. R. — (see Durrenberger, L.) **129**, 550–558
Kobayashi, A. S. — (see Bernhardt, S.) **129**, 220–226
Korsunsky, Alexander M. — Residual Elastic Strains in Autofrettaged Tubes: Elastic–Ideally Plastic Model Analysis. **129**, 77–81

Lakes, R. S. — (see Jaglinski, T.) **129**, 48–54
Lapovok, Rimma — (see Estrin, Yuri) **129**, 380–389
_____, **and Hodgson, Peter D.** — Determination of Lower-Bound Ductility for AZ31 Magnesium Alloy by Use of the Bulge Specimens. **129**, 407–413
Lawson, S. — (see Xia, M.) **129**, 446–452
Lee, Jae Seong — (see Moon, Ho Keun) **129**, 349–355
Lee, June Key — (see Moon, Ho Keun) **129**, 349–355
Lee, Matthew J., and Hill, Michael R. — Effect of Strain Gage Length When Determining Residual Stress by Slitting. **129**, 143–150
Lei, Xin, and Lissenden, Cliff J. — Pressure Sensitive Nonassociative Plasticity Model for DRA Composites. **129**, 255–264
Lin, Jen Fin — (see Wei, Pal Jen) **129**, 284–292
Lin, Yi-Kai — (see Hwang, Yeong-Maw) **129**, 414–421
Lipinski, P. — (see Barhdadi, El H.) **129**, 313–320
Lissenden, Cliff J. — (see Lei, Xin) **129**, 255–264
Liu, L., and Holmes, J. W. — Experimental Technique for Elevated Temperature Mode I Fatigue Crack Growth Testing of Ni-Base Metal Foils. **129**, 594–602
Liu, Rong — (see Huang, Ping) **129**, 523–529
Loomis, Eric — Modeling of Elastic Waves in Dynamically Loaded NiAl Bicrystals. **129**, 513–522
Loukus, Adam R., Subhash, Ghatu, and Imaninejad, Mehdi — Optimization of Material Properties and Process Parameters for Tube Hydroforming of Aluminum Extrusions. **129**, 233–241

Mandal, Sumantra, Sivaprasad, P. V., and Venugopal, S. — Capability of a Feed-Forward Artificial Neural Network to Predict the Constitutive Flow Behavior of As Cast 304 Stainless Steel Under Hot Deformation. **129**, 242–247
Manoj Simha, C. Hari, Gholipour, Javad, Bardelcik, Alexander, and Worswick, Michael J. — Prediction of Necking in Tubular Hydroforming Using an Extended Stress-Based Forming Limit Curve. **129**, 36–47
Mateo, A. — (see Gironès, A.) **129**, 588–593
Matsuura, Kiyotaka — (see Sequeira, P. D.) **129**, 304–312
Mattsson, H. David, and Varna, Janis — Average Strain in Fiber Bundles and Its Effect on NCF Composite Stiffness. **129**, 211–219
Meguid, S. A., Shagal, G., and Stranart, J. C. — Development and Validation of Novel FE Models for 3D Analysis of Peening of Strain-Rate Sensitive Materials. **129**, 271–283
Melkote, Shreyes N. — (see Subbiah, Sathyan) **129**, 321–331
Miles, Michael P. — (see Przybyla, Craig P.) **129**, 82–93
Miller, M. P. — (see Turner, T. J.) **129**, 367–379
Mochizuki, Masahito, and Toyoda, Masao — Weld Distortion Control During Welding Process With Reverse-Side Heating. **129**, 265–270
Moodley, V. K. — (see Kanny, K.) **129**, 105–112
Moon, Ho Keun, Lee, Jae Seong, Yoo, Sun Joon, Joun, Man Soo, and Lee, June Key — Hot Deformation Behavior of Bearing Steels. **129**, 349–355

Naït-Abdelaziz, Moussa — (see Zaïri, Fahmi) **129**, 29–35
Narayanasamy, R., Senthilkumar, V., and Pandey, K. S. — Some Aspects on Hot Forging Features of P/M Sintered High-Strength Titanium Carbide Composite Steel Preforms Under Different Stress State Conditions. **129**, 113–129
Nasr, Mohamed N.A., Ng, E.-G., and Elbestawi, M. A. — Effects of Strain Hardening and Initial Yield Strength on Machining-Induced Residual Stresses. **129**, 567–579
Neu, Richard W. — (see Yang, Dong) **129**, 559–566
Neville, A. — (see Souza, V. A. D.) **129**, 55–68
Newaz, G. — (see Xie, C. L.) **129**, 69–76
Ng, E.-G. — (see Nasr, Mohamed N.A.) **129**, 567–579
Nimityongskul, A. — (see Jaglinski, T.) **129**, 48–54

Oh, J., Brust, F. W., and Katsube, N. — Studies on the Effect of Cyclic Loading on Grain Boundary Rupture Time. **129**, 1–10
Oyadiji, S. O. — (see Georgiades, G.) **129**, 497–504

Pandey, K. S. — (see Narayanasamy, R.) **129**, 113–129
Pantano, A. — (see Garg, M.) **129**, 431–439
Pantelakis, Sp. G., Alexopoulos, N. D., and Chamos, A. N. — Mechanical Performance Evaluation of Cast Magnesium Alloys for Automotive and Aeronautical Applications. **129**, 422–430
Pindera, Marek-Jerzy, and Bansal, Yogesh — On the Micromechanics-Based Simulation of Metal Matrix Composite Response. **129**, 468–482
Prime, Michael B. — (see Schajer, Gary S.) **129**, 227–232
Przybyla, Craig P., Adams, Brent L., and Miles, Michael P. — Methodology for Determining the Variance of the Taylor Factor: Application in Fe-3%Si. **129**, 82–93

Raju, B. — (see Xie, C. L.) **129**, 69–76

Ramulu, M. — (see Bernhardt, S.) **129**, 220–226
____ (see Kim, D.) **129**, 390–396
Revel, Philippe — (see Bogard, Virginie) **129**, 207–210
Rhee, KiHo — (see Estrin, Yuri) **129**, 380–389
Rolfe, B. F. — (see Weiss, M.) **129**, 530–537
Ross, Carl D., Irvin, David B., and Roth, John T. — Manufacturing Aspects Relating to the Effects of Direct Current on the Tensile Properties of Metals. **129**, 342–347(TB)
Roth, John T. — (see Ross, Carl D.) **129**, 342–347(TB)
Rousseau, Carl-Ernst — (see Batra, Varun) **129**, 248–254
Rusinek, A. — (see Durrenberger, L.) **129**, 550–558

Sadovsky, Alexander V., Baldi, Pierre F., and Wan, Frederic Y.-M. — A Theoretical Study of the In Vivo Mechanical Properties of Angiosperm Roots: Constitutive Theories and Methods of Parameter Estimation. **129**, 483–487(TB)
Schajer, Gary S., and Prime, Michael B. — Residual Stress Solution Extrapolation for the Slitting Method Using Equilibrium Constraints. **129**, 227–232
____ Hole-Drilling Residual Stress Profiling With Automated Smoothing. **129**, 440–445
Schenk, T., Seifert, T., and Brehm, H. — A Simple Analogous Model for the Determination of Cyclic Plasticity Parameters of Thin Wires to Model Wire Drawing. **129**, 488–495
Schmitz, R. — (see Jaglinski, T.) **129**, 48–54
Seifert, T. — (see Schenk, T.) **129**, 488–495
Senthilkumar, V. — (see Narayanasamy, R.) **129**, 113–129
Sequeira, P. D., Watanabe, Yoshimi, Eryu, Hiroyuki, Yamamoto, Tetsuya, and Matsuura, Kiyotaka — Effects of Platelet Size and Mean Volume Fraction on Platelet Orientation and Volume Fraction Distributions in Functionally Graded Material Fabricated by a Centrifugal Solid-Particle Method. **129**, 304–312
Shagal, G. — (see Meguid, S. A.) **129**, 271–283
Shim, Dong-Jin, Spearing, S. Mark, and Yang, Qingda — Crack Initiation and Growth in Solder Joints Under Cyclic Shear Deformation Using Piezomechanical Actuation. **129**, 19–28
Singh, Preet M. — (see Yang, Dong) **129**, 559–566
Sivaprasad, P. V. — (see Mandal, Sumantra) **129**, 242–247
Song, Jung-Han, Huh, Hoon, and Kim, Se-Ho — Stress-Based Springback Reduction of a Channel Shaped Auto-Body Part With High-Strength Steel Using Response Surface Methodology. **129**, 397–406
Souza, V. A. D., and Neville, A. — Using In Situ Atomic Force Microscopy to Investigate the Kinetics of Corrosion of WC–Co–Cr Cermet Coatings Applied by High-Velocity Oxy-Fuel. **129**, 55–68
Spearing, S. Mark — (see Shim, Dong-Jin) **129**, 19–28
Sreenivasan, N. — (see Xia, M.) **129**, 446–452
Stranart, J. C. — (see Meguid, S. A.) **129**, 271–283
Stucker, B. E. — (see Yang, Y.) **129**, 538–549
Subbiah, Sathyan, and Melkote, Shreyes N. — Evidence of Ductile Tearing Ahead of the Cutting Tool and Modeling the Energy Consumed in Material Separation in Micro-Cutting. **129**, 321–331
Subhash, Ghatu — (see Loukus, Adam R.) **129**, 233–241

Tang, C. Y. — (see Jie, M.) **129**, 151–158
Taya, M. — (see Xie, C. L.) **129**, 69–76
Thakur, Sanjay Kumar, Balasubramanian, K., and Gupta, Manoj — Microwave Synthesis and Characterization of Magnesium Based Composites Containing Nanosized SiC and Hybrid ($SiC+Al_2O_3$) Reinforcements. **129**, 194–199
Thomson, Peter F. — (see Estrin, Yuri) **129**, 380–389
Tian, Z. — (see Xia, M.) **129**, 446–452
Tong, Wei, and Zhang, Nian — On Serrated Plastic Flow in an AA5052-H32 Sheet. **129**, 332–341
Toyoda, Masao — (see Mochizuki, Masahito) **129**, 265–270
Turner, J. T. — (see Georgiades, G.) **129**, 497–504
Turner, T. J., and Miller, M. P. — Modeling the Influence of Material Structure on Deformation Induced Surface Roughening in AA7050 Thick Plate. **129**, 367–379

Varna, Janis — (see Mattsson, H. David) **129**, 211–219
Venugopal, S. — (see Mandal, Sumantra) **129**, 242–247
Viña, J. — (see Zenasni, R.) **129**, 190–193
Voyiadjis, George Z. — (see Almasri, Amin H.) **129**, 505–512

Wan, Frederic Y.-M. — (see Sadovsky, Alexander V.) **129**, 483–487(TB)
Watanabe, Yoshimi — (see Sequeira, P. D.) **129**, 304–312
Wei, Pal Jen, and Lin, Jen Fin — A New Method Developed for Brittle and Ductile Materials to Evaluate Mechanical Properties of a Lump Specimen in the Use of Indentation Test. **129**, 284–292
Weiss, M., Dingle, M. E., Rolfe, B. F., and Hodgson, P. D. — The Influence of Temperature on the Forming Behavior of Metal/Polymer Laminates in Sheet Metal Forming. **129**, 530–537
Worswick, Michael J. — (see Manoj Simha, C. Hari) **129**, 36–47
Woznica, Krzysztof — (see Zaïri, Fahmi) **129**, 29–35
Wright, J. R. — (see Georgiades, G.) **129**, 497–504
Wu, X. — (see Xie, C. L.) **129**, 69–76
Wu, Xijia — (see Huang, Ping) **129**, 523–529

Xia, M., Sreenivasan, N., Lawson, S., Zhou, Y., and Tian, Z. — A Comparative Study of Formability of Diode Laser Welds in DP980 and HSLA Steels. **129**, 446–452
Xie, C. L., Hailat, M., Wu, X., Newaz, G., Taya, M., and Raju, B. — Development of Short Fiber-Reinforced NiTi/Al6061 Composite. **129**, 69–76

Yamamoto, Tetsuya — (see Sequeira, P. D.) **129**, 304–312
Yan, J., Chen, X., and Karlsson, A. M. — Determining Equi-Biaxial Residual Stress and Mechanical Properties From the Force-Displacement Curves of Conical Microindentation. **129**, 200–206
Yang, Dong, Singh, Preet M., and Neu, Richard W. — Initiation and Propagation of Stress-Assisted Corrosion (SAC) Cracks in Carbon Steel Boiler Tubes. **129**, 559–566
Yang, Qingda — (see Shim, Dong-Jin) **129**, 19–28
Yang, Y., Janaki Ram, G. D., and Stucker, B. E. — An Experimental Determination of Optimum Processing Parameters for Al/SiC Metal Matrix Composites Made Using Ultrasonic Consolidation. **129**, 538–549
Yao, Matthew X. — (see Huang, Ping) **129**, 523–529
Yoo, Sun Joon — (see Moon, Ho Keun) **129**, 349–355

Zaïri, Fahmi, Naït-Abdelaziz, Moussa, Woznica, Krzysztof, and Gloaguen, Jean-Michel — Elasto-viscoplastic constitutive equations for the description of glassy polymers behavior at constant strain rate. **129**, 29–35
Zenasni, R., Bachir, A. S., Argüelles, A., Castrillo, M. A., and Viña, J. — Fracture Characterization of Woven Fabric Reinforced Thermoplastic Composites. **129**, 190–193
Zhang, Nian — (see Tong, Wei) **129**, 332–341
Zhou, Y. — (see Xia, M.) **129**, 446–452
Zhu, X. Q. — (see Georgiades, G.) **129**, 497–504